

Product Change Notification - JAON-20DIBE102

Date:

23 Jun 2020

Product Category:

Interface- LIN Transceiver

Affected CPNs:

Notification subject:

CCB 4179 Initial Notice: Qualification of MMT as an additional assembly site for selected Atmel ATA663454 and ATA663431 device families available in 16L VDFN (3x5.5x1mm) package.

Notification text:
PCN Status:

Initial notification

PCN Type:

Manufacturing Change

Microchip Parts Affected:

Please open one of the icons found in the Affected CPNs section above.

NOTE: For your convenience Microchip includes identical files in two formats (.pdf and .xls).

Description of Change:

Qualification of MMT as an additional assembly site for selected Atmel ATA663454 and ATA663431 device families available in 16L VDFN (3x5.5x1mm) package.

Pre Change:

Assembled at ASCL using PdCu bond wire, EN-4900G die attach, and C7025 lead frame material

Post Change:

Assembled at ASCL using PdCu bond wire, EN-4900G die attach, and C7025 lead frame material or assembled at MMT using CuPdAu bond wire, 3280 die attach, and C194 lead frame material.

Pre and Post Change Summary:

	Pre Change	Post Change	
Assembly Site	ASE Group Chung-Li (ASCL)	ASE Group Chung-Li (ASCL)	Microchip Technology Thailand - Branch (MMT)
Bond Wire material	PdCu	PdCu	CuPdAu
Die attach material	EN-4900G	EN-4900G	3280
Molding compound material	G700	G700	G700
Lead frame material	C7025	C7025	C194

Impacts to Data Sheet:

Yes. POD (package outline drawing) change. See the changes below:

All units in millimeter (mm)		ASE Group Chung-Li / ASCL			Microchip Technology Thailand (Branch) / MMT		
Dimension Limits		MIN	NOM	MAX	MIN	NOM	MAX
Number of Terminals	N	16			16		
Pitch	e	0.65 BSC			0.65 BSC		
Overall Height	A	0.80	0.85	0.90	0.80	0.90	1.00

Standoff	A1	0.00	0.035	0.05	0.00	0.035	0.05
Terminal Thickness	A3	0.203 REF				0.203 REF	
Wettable Flank Cut Depth	A4	0.1	0.1 3	0.15	0.10	-	0.19
Overall Length	D	5.50 BSC				5.50 BSC	
Exposed Pad Length	D2	4.60	4.70	4.80	4.60	4.70	4.80
Overall Width	E	3.00 BSC				3.00 BSC	
Exposed Pad Width	E2	1.50	1.60	1.70	1.50	1.60	1.70
Wettable Flank Step Cut Width	E3	-	-	0.04	-	-	0.085
Terminal Width	b	0.25	0.30	0.35	0.25	0.30	0.35
Terminal Length	L	0.35	0.40	0.45	0.35	0.40	0.45
Terminal-to-Exposed-Pad	K	0.20	-	-	0.20	-	-

Change Impact:

None

Reason for Change:

To improve on-time delivery performance by qualifying MMT as an additional assembly site.

Change Implementation Status:

In Progress

Estimated Qualification Completion Date:

August 2020

Note: Please be advised the qualification completion times may be extended because of unforeseen business conditions however implementation will not occur until after qualification has completed and a final PCN has been issued. The final PCN will include the qualification report and estimated first ship date. Also note that after the estimated first ship date guided in the final PCN customers may receive pre and post change parts.

Time Table Summary:

	June 2020					August 2020					
Workweek	23	24	25	26	27	→	32	33	34	35	36
Initial PCN Issue Date			X								
Qual Report Availability										X	
Final PCN Issue Date										X	

Method to Identify Change:

Traceability code

Qualification Plan:

Please open the attachments included with this PCN labeled as PCN_#_Qual_Plan.

Revision History:



June 23, 2020: Issued initial notification.

The change described in this PCN does not alter Microchip's current regulatory compliance regarding the material content of the applicable products.

Attachment(s):

[PCN JAON-20DIBE102_Qual_Plan.pdf](#)

Please contact your local [Microchip sales office](#) with questions or concerns regarding this notification.

Terms and Conditions:

If you wish to [receive Microchip PCNs via email](#) please register for our PCN email service at our [PCN home page](#) select register then fill in the required fields. You will find instructions about registering for Microchips PCN email service in the [PCN FAQ](#) section.

If you wish to [change your PCN profile, including opt out](#), please go to the [PCN home page](#) select login and sign into your myMicrochip account. Select a profile option from the left navigation bar and make the applicable selections.